International Bureau



(43) International Publication Date 8 July 2004 (08.07.2004)

 \mathbf{PCT}

(10) International Publication Number WO 2004/057029 A2

(51) International Patent Classification7:

C12Q 1/68

(21) International Application Number:

PCT/GB2003/005412

(22) International Filing Date:

11 December 2003 (11.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0229725.7

19 December 2002 (19.12.2002)

- (71) Applicant (for all designated States except US): UNI-VERSITY OF WALES COLLEGE OF MEDICINE [GB/GB]; Heath Park, Cardiff CF14 4XN (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): COOPER, David, Neil [GB/GB]; University of Wales College of Medicine, Department of Medical Genetics, Heath Park, Cardiff CF14 4XN (GB). KRAWCZAK, Michael [DE/DE]; Institut für Medizinische Informatik und Statistik, Christian-Albrechts-Universität, D-24105 Kiel (DE). HEDDERICH, Jurgen [DE/DE]; Institut für Medizinische Informatik und Statistik, Christian-Albrechts-Universität, D-24105 Kiel (DE).

- (74) Agents: FYLES, Julie, Marie et al.; Wynne-Jones Laine & James, Morgan Arcade Chamber, 33 St Mary Street, Cardiff CF10 1AF (GB).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HAPLOTYPE PARTITIONING

(57) Abstract: The invention relates to a method for identifying mutations and/or polymorphisms that are major determinants of a selected phenotype and is based on the identification of haplotypes and the partitioning thereof into groups that are major determinants for said phenotype.